



FIRST® LEGO® League
NEOFRA - the Northeast Ohio *FIRST* Robotics Alliance
and Time Warner Cable bring you the

FLL NEOFRA / Time Warner Cable Warren Delphi E.L.I.T.E. Regional



**December 8, 2012
8:00 AM – 5:15 PM**

Warren, OH



TEAM INFORMATION PACKET

Date: December 8, 2012

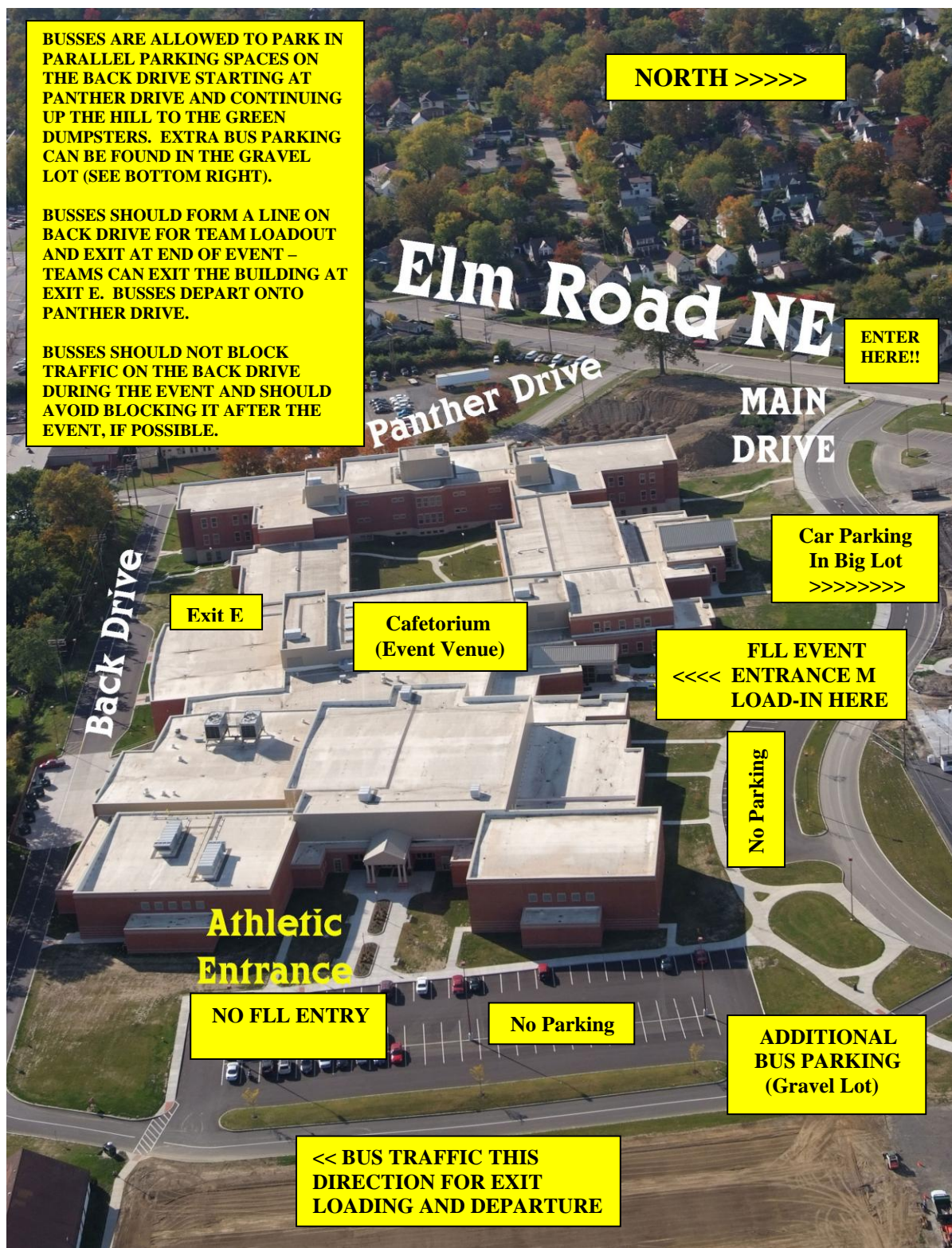
**Location: Warren G. Harding High School
860 Elm Road NE
Warren, OH 44483**

All event areas at Warren
G. Harding High School
are handicap accessible!

Tournament Agenda

- | | |
|-----------------|--|
| 8:00 AM | Team Registration Begins / Pits Open |
| 8:30 AM | Coaches' Meeting - Competition Area |
| 9:00 AM | Judged Presentations Begin |
| 10:00 AM | Competition Tables open for light readings only |
| 11:45 PM | Judged Presentations End |
| 12:00 PM | Parade of Teams and Opening Ceremony |
| 1:00 PM | Robot Table Rounds Begin |
| 3:35 PM | Robot Table Rounds End (Teams Pack Up) |
| 4:15 PM | Closing Ceremony Begins |
| 5:15 PM | Event Cleanup Begins (All Teams Leave) |

Overhead View of Warren G. Harding High School Campus



Directions to Warren G. Harding High School

**Warren G. Harding High School
860 Elm Road NE
Warren, OH 44483**

[Click here](#) for Google Maps directions page.

The directions below intentionally avoid the confusion of navigating multiple downtown Warren streets. Feel free to plot a more adventurous course!

From the North (Ashtabula area)

1. Take Route 11 South to Route 82 West.
2. Bear left off of Route 82 onto East Market Street.
3. Turn right onto Elm Road in downtown Warren (look for Sunrise Inn on the left at the intersection).
4. Cross railroad tracks. Go past Panther Drive and turn right into WGH complex. Look for FLL event signage.

From the West (Cleveland area)

1. Take US-422 East toward Warren (via Parkman).
2. Go under the Route 5/82 overpass and exit right via ramp onto Route 5/82 East.
3. Exit right at Larchmont Avenue. Turn right onto Larchmont.
4. Drive until Larchmont ends at Elm Rd. Turn right onto Elm.
5. WGH complex is a few blocks south on the left. Look for FLL event signage.

Alternate Route – Take I-80 Turnpike East to Route 5 East. Stay on Route 5 - you will pass the US-422 interchange in Step 2 above. Follow Steps 3-5 above from that point.

From the South (Youngstown area)

1. Take Route 11 North to Route 82 West.
2. Bear left off of Route 82 onto East Market Street.
3. Turn right onto Elm Road in downtown Warren (look for Sunrise Inn on the left at the intersection).
4. Cross railroad tracks. Go past Panther Drive and turn right into WGH complex. Look for FLL event signage.

From the West (Akron/Canton area)

1. Take I-76 East to the Route 44 N/Route 5 East exit.
2. Stay on Route 5 East (past the Ravenna Arsenal). Road eventually becomes Route 5/82 East near Warren.
3. Exit right at Larchmont Avenue. Turn right onto Larchmont.
4. Drive until Larchmont ends at Elm Rd. Turn right onto Elm.
5. WGH complex is a few blocks south on the left, just past Atlantic Street. Look for FLL event signage.

Rules

The list of rules and procedures for this year's competitions are provided for you in Attachment 1. Please go over them with your team and make sure they understand the procedures to follow while competing.

Event Concessions

Low-cost event concessions will be open for your convenience in the morning and continue past lunchtime into the afternoon hours. Dining tables will be available inside the main cafetorium competition hall.

Teams and the public must refrain from bringing food and drink into the venue.

We do permit teams to bring a few small snacks with you for hectic moments in your schedule. **All concessions proceeds benefit Warren G. Harding High School FIRST Robotics Team 48 (www.delphielite.com)** - thank you in advance for purchasing concessions in support of the team's year-round program!

A pre-order lunch option is available to teams – details have been communicated to team leaders via email. In the interest of minimizing the time teams spend waiting in line for lunch at the competition, **we strongly encourage teams to submit lunch pre-orders ahead of the event.** Payment for lunch pre-orders is due when you arrive and register in the morning. We accept cash or check. **Please make checks out to "Warren G. Harding Robotics Parent Boosters".**

We have assigned each team to one of three 15-minute windows between 10:45 AM and 11:30 AM for pre-order pickup and ala carte ordering. **Your Lunch Pickup time will be listed on your Team Schedule,** which will be in the Team Registration Packet you receive when you arrive and register in the morning.

Registration

Registration will begin at 8:00 AM.

Competition badges will be provided at the time of registration. Only team members will receive badges. There are two adult passes provided for teachers, coaches and mentors per team. The badges allow entry into the Pit area. *No one will be permitted in the Pit Area without a badge, per Ohio FLL guidelines.*

Opening Ceremony: The Opening Ceremony will occur right before the robot competition begins. *Everyone is required to attend!* Your team can bring a banner or sign to carry during the Opening and Closing Ceremonies.

Spectators

Spectators are welcome and encouraged. There will be seating and a large video screen to enable them to watch the playing fields. **During the competition, spectators will not be permitted in the pit area, on the competition floor, or in the presentation rooms.**

Pit Area Necessities

You will have a table, two chairs, and an electrical outlet in the pit area to use as a base of operations. You must bring your own computer. There will be technical-savvy people on-hand to assist you if needed.

You will have access to practice competition tables – **do not bring your own mat and field set-up to the competition.** The practice tables are in the same large cafetorium hall as the competition tables.

It is advisable to bring a box in which to carry your robot onto the competition floor. Many times robots will fall apart as they are being carried to the playing field. If you drop your robot on the way to the playing field, your round will not be rescheduled.

You may bring a banner or some other means of identification for your team to hang up in front of your table. Your Core Values Poster would be appropriate for this!

There will be Pit Area guards to make sure that only team members with competition badges are allowed to enter. They are not, however, responsible for lost or stolen items. Never leave expensive equipment unattended!

Cameras

Cameras are permitted.

Coaches: Please be advised that only team members may handle, repair, etc. the robot and its manipulators. No coach/mentor may do any programming. If your team has technical difficulties where adult intervention may be necessary, please inform Pit Administration. They will page a technically savvy person who can either help troubleshoot a technical problem or be that third party witness that adults on the team are not “cheating.” Teams whose coaches do work on the robot or its programs risk disqualification.

Judging

Only student team members and team coaches (up to two) will be allowed into the judging rooms. One team coach will be permitted to videotape the judging session; however, that adult must remain in the designated area. Coaches should be quiet observers of the judging process and refrain from influencing the session in any way. If you choose to use a PowerPoint presentation, you will have to use your own computer. A computer projector and screen will be available for you to enlarge your presentation in your **Project** judging room. Judging scheduling is tight. You must be on time for each presentation or forfeit the presentation.

All cell phones (for team members and coaches) must be off during the judging sessions.

Robot Judging

In the Robot Judging area, your team will find a competition table, mat and field set. The team can use the Food Factor field for explanation and/or demonstration purposes. During this session, your team will spend ten minutes with the judges. The team should be prepared to present your **Robot Design Executive Summary** as outlined in the Robot Design Executive Summary document, and should last no longer than four (4) minutes to allow for the judges to ask your team questions. For specific guidelines about the Robot Design Executive Summary, visit http://edoutreach.wpafb.af.mil/Robotics/media/2012/rd_executive_summary.pdf.

You must bring your robot, its manipulators and a diagram or a printout of your programming to Robot Judging!

Project Judging

Your team will spend ten minutes with the judges. Your team will have five minutes to deliver your project presentation to the judges – this includes set-up time; the last five minutes are reserved for the judges to ask questions. This presentation should be rehearsed and polished. The judges will wait until your presentation is over to ask questions. Please stick to the five minute time limit! Props and costumes are permitted, and judges will look for creativity in the presentation style. Each project judging room will be equipped with a screen and a projector to which you can hook your computer if you plan to deliver a presentation. Team members must do this set-up, and no extra time will be allotted to the five minute presentation time.

Remember, to be eligible for a project award, your team must have done research on the topic, identified an innovative solution to the defined and researched problem, and shared your research and solution with others beyond your team.

Core Values Judging

Your team will spend ten minutes with the judges. During the first five minutes, your team will be given a surprise teamwork activity to complete in front of the judges. The judges will be looking for evidence of your team dynamics: How well does your team communicate? Do they respect each other? Do they incorporate each other's ideas into the solution? Does your team have leaders? Do they incorporate elements of Gracious Professionalism™ in the way they communicate with each other? Are they able to solve the problem and complete the task?

After the activity, your team will spend no more than two (2) minutes sharing their Core Values Poster with the judges. For specific Core Values Poster requirements, visit: http://edoutreach.wpafb.af.mil/Robotics/media/2012/cv_poster_ohio.pdf.

The final three (3) minutes are reserved for the judges to ask the team questions about the activity, the poster and/or the season.

For information about all judged areas, reference the *FIRST* website at:
<http://firstlegoleague.org/event/judging>

The Judges

Please advise your team members that the judges are here to help, not criticize. This is your chance to shine and show others what you know! The judges will be asking questions, and they really want to hear what the team members have to say. *They want you to impress them! They want the teams to do well! Do not be afraid of them! Just talk to them. And have fun!*

Pre-Competition Paperwork: We will need a completed FLL “Consent and Release Agreement” for all students and adults on your team. We also need a completed venue “Tournament Waiver” for all adults and students on your team.

Please bring a signed copy of these two forms for each person to the competition and we will collect them at Registration. For the FLL form, use the originals to make copies for the next competition. No team member will be permitted to compete without completed release forms!

NOTE: Your team members WILL be photographed!! (Please refer to the FLL Consent form). If a parent prefers that a child not be photographed, he/she must either tell the child to step out of camera range when a picture is being taken or he/she can choose not to bring the child to the competition. ***By signing the FLL form and participating in the competition, you accept the fact that your child will be photographed and that image may be used on the Ohio FLL website or other Ohio FLL promotional materials! (A child’s name will never appear in conjunction with his/her picture unless written permission from the parent is obtained).***

Competition Day Checklist

- ☐ Fresh Batteries/Spare batteries/NXT Rechargeable battery charger
- ☐ Computer
- ☐ USB Download cable (for NXT)
- ☐ Box for your robot
- ☐ Box for downloading programs (RCX only)
- ☐ **Team Introduction Sheet (4 copies)**
- ☐ **FLL Consent and Release Agreement (for each team member, mentor and coach)**
- ☐ **NEOFRA Warren Delphi E.L.I.T.E. Regional Tournament Waiver Form (for each team member, mentor, and coach)**
- ☐ Judging Materials
 - Includes Project presentation materials, Core Values Poster, and Robot Design Executive Summary
- ☐ Graphics demonstrating programming strategy for Robot Judging
- ☐ Box for storing team stuff (coats, etc.) under your team table.

All of the required forms can be found and downloaded from the NEOFRA Warren Delphi E.L.I.T.E. Tournament web page at
<http://edoutreach.wpafb.af.mil/Robotics/media/2012/flyers/warren.html>.

Dress

Dress for all teams is casual. This is a sporting event. Team members will be very busy. We want everyone to have fun and be comfortable. If your team would like to adopt a theme, that is fine, too. Remember to **HAVE FUN!**

FIRST® LEGO® League Ohio Ambassador Program

The FLL Ohio Ambassador program is designed to recognize teams that demonstrate exceptional FLL Core Values. Teams that are interested in serving in an official capacity as an ambassador team for 2012 may apply for this honor. Each regional qualifying tournament may award a regional Ambassador. To be considered for this, you must:

1. Submit a completed Ohio FLL Ambassador application. Access form on your event webpage.
2. Combined essay responses in the application should not exceed 500 words.
3. Application must be received no later than midnight on December 3. E-mail the form to Travis Hoffman at travis.e.hoffman@delphi.com. Team members can sign the form at the competition.
4. Judges will review the applications and do a brief, informal team interview. Your team's interview time will be included in the team packet you pick up when you register your team in the morning.
5. Bring your Core Values Poster with you to your interview.
6. The Warren Delphi E.L.I.T.E. Ambassador will be presented with an invitation to move on to the district tournament during award presentations. An award plaque will be presented to the team at the University of Akron District Tournament.

For complete details on this exciting opportunity, please visit the Ohio FIRST® LEGO® League website Ambassador Program page at http://edoutreach.wpafb.af.mil/Robotics/pages/teaminfo_amb_program.html

Coaches' Meeting

There will be a Coaches' Meeting at **8:30 AM in the Cafetorium competition area**. As this will be held during team registration, make sure you have an adult on hand who can get your team registered, as at least one coach from each team will be **required** to attend this meeting. At this time, the schedule and event procedures will be discussed, and you will have the opportunity to ask questions of the Head Referee and the Judge Advisor.

Team Size

Remember, the maximum number of children on your team is 10! All members should be between the ages of 9 and 14 (must have been no older than 14 years old as of January 1, 2012). Each team should try to have at least three team members present at the competition.

Gracious Professional Charms

During the event, our volunteers will be on the lookout for team members who demonstrate random gracious acts. Team members may be rewarded for gracious behavior with a Gracious Professional charm that they can clip to their medal. Please remember that gracious behavior is a reward in and of itself, and we should never expect to get a reward for doing the right thing. These random recognitions are our way of encouraging team members to be thoughtful, kind and helpful to others.

CANCELATION/INCLEMENT WEATHER POLICY

The NEOFRA/Time Warner Cable Warren Delphi E.L.I.T.E. Regional will only be canceled or delayed due to causes and conditions beyond the tournament organizers' control, including, but not limited to, Acts of God, government restrictions, wars, insurrections and/or any other cause beyond the tournament organizers' control. In the event of inclement weather, the tournament will only be canceled if Trumbull County is under a Level 3 Snow Emergency. Please refer to local news and radio for current county advisories. If the event must be canceled, it will not be rescheduled, and advancement to the University of Akron District will be determined by lottery of teams registered for this event.

**Invitations to the University of Akron District, which will be held at the University of Akron in Akron, OH on
January 12 & 13, 2013: 4 Teams**

Advancement is based on Champion's Award Criteria and the Ambassador Team, if awarded, will advance, even if that team does not qualify based on the Champion's Award Criteria. Since Ohio is advancing 25% of teams from the regional to the district level, teams must be in the top 50% of robot performance scores in order to advance (the Ambassador Team, if one is named at this event, does not have to meet this criterion).

For questions about anything in this packet, please contact:

Travis Hoffman
330-219-7848
travis.e.hoffman@delphi.com

Competition Awards

The following awards will be presented at this tournament:

(Please see the 2012 FLL Coach Handbook for complete descriptions of each award)

Champion's Award – 1st Place

Champion's Award – 2nd Place

Core Values Award

Project Award

Robot Performance Award – 1st Place

Robot Performance Award – 2nd Place

Robot Award

Judges Award

Judges Award

Coach/Mentor Award

NEOFRA/Time Warner Cable Warren Delphi E.L.I.T.E. Ambassador Award (if applicable)

Competition Rules and Procedures

Your team is responsible for knowing and understanding the Senior Solutions robot game. All of the game documents can be found on the FLL website at:

<http://firstlegoleague.org/>

You are required to know the following for the robot competition: Field Setup, Rules, Missions, and Game Updates.

(For the Project Judging, you can find the complete project requirements, including “Frequently Asked Questions,” at the above link as well).

Staging/Tournament Play:

- Teams will be called to competition play based upon the times in the tournament schedule.
- Teams will play three official rounds to determine the placing in the final scores. Your score will be the **BEST** of the three official rounds. Ties will be broken by comparing the next best round scores.
- Teams must be in the bullpen at least ten minutes before their scheduled round begins. Teams who are not on time will forfeit the round.
- Note that traffic is one way from the pit area to the bullpen and the bullpen to the pit area. Make sure your team obeys the one way rules.
- The referee will have a score sheet for your team.
- Each team will have a total of five (5) minutes to spend on the competition floor. Within that five (5) minutes, you must complete a two and a half (2.5) minute round. The extra time is used for set-up and positioning the robot. The round will begin on a signal from the referee. Your team is guaranteed a one minute setup time before the start of your match.
- **Only TWO team members are allowed to be directly on the playing field while the robot is running.** Other team members must stand behind the line to cheer the team. Substitutions can be made at any time, but at no time can there be more than two robot handlers on the playing field, ***unless there is a robot emergency. By this, we mean that the robot is damaged and is incapable of performing any mission.***
- ▪ **After the match is over, the playing field is scored by the referees. Two team members will go over the score sheet with the referee so that both parties agree with the scoring. The team members will then exit the competition floor.**
- Your team, with the exception of the two team members who will go over the scoring with the referee, must exit the competition floor *promptly* at the end of the five (5) minutes. All referee decisions are final.
- After the scores are displayed, the scorekeeper will hold onto the score sheets.

- Remote control use to change robot programs is not permitted. In fact, remote controls are not allowed anywhere (This includes Smartphone applications that enable you to control your robot remotely)! If you are using the NXT robot, Bluetooth may not be used. Your team could be disqualified if you are found with a remote control anywhere or if your Bluetooth is enabled in the competition area!

In addition to the above rules, all rules set forth by the *FIRST*® *LEGO*® League will be enacted!